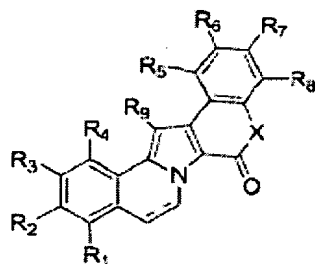


ABSTRACT

New lamellarins are provided of the general formula III wherein X is selected from the group consisting of N, O and S; wherein R_1 , R_2 , R_3 , R_4 , R_5 , R_6 , R_7 , R_8 and R_9 are each independently selected from the group consisting of H, OH, OR', SH, SR', SO₂R', NHR', N(R')₂, N=R', NHCOR', N(COR')₂, NHSO₂R', NO₂, PO(R')₂, PO₂R', C(=O)H, C(=O)R', CO₂H, CO₂R', OPO(R')₂, OPO₂R', OC(=O)H, OC(=O)R', N=C(R')₂, substituted or unsubstituted C₁-C₁₂ alkyl, substituted or unsubstituted C₁-C₁₂ haloalkyl, substituted or unsubstituted C₂-C₁₂ alkenyl, substituted or unsubstituted C₂-C₁₂ alkynyl, substituted or unsubstituted aryl, substituted or unsubstituted aralkyl and substituted or unsubstituted heteroaromatic; wherein each of the R' groups is independently selected from the group consisting of H, OH, NO₂, NH₂, SH, CN, halogen, =O, C(=O)H, C(=O)CH₃, CO₂H, C(=O)R', substituted or unsubstituted C₁-C₁₈ alkyl, substituted or unsubstituted C₂-C₁₈ alkenyl, substituted or unsubstituted C₂-C₁₈ alkynyl, substituted or unsubstituted aryl, substituted or unsubstituted C₁-C₁₈ alkoxy, substituted or unsubstituted C₁-C₁₈ aminoalkyl, substituted or unsubstituted C₁-C₁₈ aminoacid, substituted or unsubstituted C₁-C₁₈ thioalkyl, substituted or unsubstituted C₁-C₁₈ alkylsulfinyl, substituted or unsubstituted C₁-C₁₈ alkylsulfonyl; wherein the pairs of groups R_1 and R_2 , R_2 and R_3 , R_3 and R_4 , R_3 and R_9 , R_4 and R_9 , R_9 and R_5 , R_9 and R_6 , or R_6 and R_7 , R_7 and R_8 may be joined into a carbocyclic or heterocyclic ring system; and the dotted line represents an single or double bond; or a pharmaceutically acceptable salt, derivative, prodrug or stereoisomer thereof.



(III)